

Data Platform Clarification

A. Hosting of applications and data:

1. Bidders are required to deploy their solution at the Gauteng Department of Roads and Transport's Data Centre.
2. The Gauteng Department of Roads and Transport will provide the Infrastructure as a Service (on-demand access to virtualized computing resources like servers, storage, and networking over the internet) to the successful bidder to meet their back-end needs.
3. The Gauteng Department of Roads and Transport will also provide end user devices (computers and mobile devices) that will be used to the front-end user interfaces of the solution.
4. The successful bidder is required to bring all the applications required for their solution to work and install them on Gauteng Department of Roads and Transport's infrastructure.
5. No cloud services will be made available to you, only Infrastructure as a Service. You will be expected to build a **On-premise, Private cloud** using our infrastructure (data center).
6. As part of bid submissions, bidders must submit their infrastructure requirements in the format provided below:

Minimum Requirements	Details/Quantities
Number of VM servers	
Number of Processers and Cores	
RAM Size	
Number of Disk Storages and Capacity	
Operating system and Version	
Are there any ports to be opened (If yes, state the ports)	
Any other requirements	

B. The following data is currently available and must be integrated and visualized immediately:

1. Routes, fares, stops, timetables and live vehicle locations and vehicle statuses for the following operators:
 - a. Gautrain – Train (quantity to be catered for: 30)
 - b. Gautrain – Bus (quantity to be catered for: 125)
 - c. Gautrain – Midibus (taxi) (quantity to be catered for: 100)
 - d. A re yeng BRT (quantity to be catered for: 200)
 - e. Rea vaya BRT (quantity to be catered for: 200)
 - f. Harambe BRT (quantity to be catered for: 200)
 - g. Gauteng PRASA (quantity to be catered for: 50)
 - h. All subsidized buses (quantity to be catered for: 3500)
2. Locations of all taxi official ranks in Gauteng (including associations operating at those taxi ranks, contact details etc.) and on-demand CCTV cameras (where available)
3. All official taxi routes in Gauteng and live locations of vehicles (where available) (quantity to be catered for: 150 000)
4. Locations of all Driving License Testing Centres in Gauteng (including name, contact details, responsible manager etc.) and CCTV cameras at each location
5. Locations of all Number Plate Embossers in Gauteng (including name, contact details, responsible manager etc.)
6. 6000 CCTV cameras in Gauteng which can be accessed on demand
7. Gauteng road network and active road projects
8. Pothole reporting application (including statuses)
9. Gauteng traffic signals (including statuses)
10. Real-time CCTV from Gautrain Midibuses

C. The platform must have a map function with live traffic.

- D. If your solution requires 3rd party licenses to work, you must provide those 3rd party licenses. However, we will take over those licenses (subscription) if they are still needed after the contract expires.**